



The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

Program Schedule

The 4th ASEAN Microbial Biotechnology Conference in Conjunction with The 3rd Molecular and Cellular Life Science

University of CoE – Research Center for Bio-Molecule Engineering
Universitas Airlangga
2021

On Theme

**Biodiversity of Tropical Microorganism and Bioactive Compounds: Exploration,
Structure-Function Mechanism, and Application**

14-15 September 2021

Tuesday, 14th September 2021

Time (Western Indonesian Time, GMT +7.00)	Program
08.30-09.00	Registration
09.00-09.40	Opening Ceremony by MC Indonesian National Anthem - "Indonesia Raya" 1. Welcome remarks and opening remarks by the Rector of Universitas Airlangga Prof. Dr. Mohammad Nasih, SE., M.T., Ak., CMA 2. Welcome remarks by the Director International Center for Biotechnology, Osaka University, Japan Prof. Kazuhito Fujiyama 3. Welcome remarks by the AnMicro secretariat and Vice President National Science and Technology Development Agency (NSTDA), Thailand Dr. Lily Eurwilaichitr 4. Welcome remarks by the Chairman of University Center of Excellence-Research Centre for Bio-molecule Engineering Prof. Dr. Ni Nyoman Tri Puspaningsih, M.Si. 5. Welcome remarks by the Chairman of the AMBC-MCLS 2021 (Chairman of the AMBC Dr. Ni'matuzahroh) 6. Photo session
09.40-10.10	Keynote Speaker I Prof. Byung-Kwan Cho Korea Advanced Institute of Science and Technology, Republic of Korea
10.10-10.40	Keynote Speaker II Dr. Lily Eurwilaichitr



Organized by

University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

	National Science and Technology Development Agency (NSTDA), Thailand
10.40-11.00	QnA 1
11.00-11.30	Keynote Speaker III Prof. Bong Hyun Sung Korea Research Institute of Bioscience and Biotechnology, Republic of Korea
11.30-12.00	Keynote Speaker IV Dr. Le Minh Bui NTT Hi-tech Institute, Nguyen Tat Thanh University, Ho Chi Minh city, Vietnam
12.00-12.20	QnA 2
12.20-13.00	Break
13.00-13.30	Poster Session I
13.30-14.00	Invited speaker I Dr. Almando Gerald, PhD Bio-molecule Engineering (BIOME), Universitas Airlangga, Indonesia
14.00-14.50	Parallel Session I
14.50-15.40	Parallel Session II



Organized by
University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

Wednesday, 15th September 2021

Time (Western Indonesian Time, GMT +7.00)	Program
08.30-09.00	Registration
09.00-09.20	Opening Ceremony by MC Indonesian National Anthem - "Indonesia Raya" 1. Welcome remarks by the Chairman of the AMBC-MCLS 2021 (Chairman of the MCLS Dr. Hery Suwito, M.Sc) 2. Photo session
09.20-09.50	Keynote Speaker I Prof. Atsushi Nakagawa Institute for Protein Research Osaka University, Japan
09.50-10.20	Keynote Speaker II Prof. Genji Kurisu Institute for Protein Research, Osaka University, Japan
10.20-10.40	QnA 1
10.40-11.10	Keynote Speaker III Prof. Kazuhito Fujiyama International Center for Biotechnology, Osaka University, Japan
11.10-11.40	Keynote Speaker IV Prof. M.W. Marco Fraaije Faculty of Science and Engineering, University of Groningen, The Netherland
11.40-12.10	Keynote Speaker V Ali Rohman, PhD Bio-molecule Engineering (BIOME), Universitas Airlangga, Indonesia
12.10-12.30	QnA 2
12.30-13.00	Break
13.00-13.30	Poster Session II
13.30-14.00	Invited speaker II Rico Ramadhan, PhD Bio-molecule Engineering (BIOME), Universitas Airlangga, Indonesia
14.00-14.50	Parallel Session I
14.50-15.40	Parallel Session II
15.40-16.30	Parallel Session III
16.40-16.45	Announcement of best presenter and best poster



Organized by
University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC)
in conjunction with the 3rd Molecular and Cellular Life Science
(MCLS)
Virtual Conference, 14th-15th September 2021

16.45-16.50

Closing ceremony and Doa



Organized by
University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

PARALEL SESSION
Tuesday, 14th September 2021

Room 1 (Medical Microbiology)

Code of Presenter	Schedule (GMT +7.00)	Presenter	Title
1.1	14.00-14.10	Udom Sae-Ueng	C22 podovirus infectivity is associated with intermediate stiffness
1.2	14.10-14.20	Ayu Eka Fatriil	Molecular Analysis of <i>Aspergillus</i> spp. Isolates from Probable Chronic Pulmonary Aspergillosis Patients Using β -tubulin Gene
1.3	14.20-14.30	Arif Nur Muhammad Ansori	A Therapeutic Potential of Newcastle Disease Virus Against Cancer: A Virotherapy Approach
1.4	14.30-14.40	Sri Anggarini Rasyid	Microorganism Diversity on Meconium of Newborn Babies Using PCR (Polymerase Chain Reaction) Method
14.40-14.50		QnA	
1.5	14.50-15.00	Ya'u Sabo Ajingi	In-vitro Antibacterial Activity of a Novel Peptide from Dermaseptin Related Peptides micro-plastics
1.6	15.00-15.10	Ayu Eka Fatriil	Molecular Analysis of <i>Aspergillus</i> spp. Isolates from Asthma 2 Patients using Calmodulin Gene
1.7	15.10-15.20	Tri Rahayu	Screening for the Presence of Bacteria in Stem Cell Laboratory Facilities and Testing Their Resistance to Commonly Used Sterilization Techniques
15.20-15.40		QnA	

Room 2 (Environmental Microbiology)

Code of Presenter	Schedule(GMT +7.00)	Presenter	Title
2.1	14.00-14.10	Maya Shovitri	Polyethylene-degrading bacteria from marine sediments
2.2	14.10-14.20	Yessy	Identification of Three Red Macroalgae from Ujung Genteng, West Java, Indonesia
2.3	14.20-14.30	Dewi Yuliani	Fungal Isolate from A Local Landfill in Malang, Indonesia and Its Potency as An Ldpe-Biodegrading Agent
2.4	14.30-14.40	H.Elmarthenez	Biosurfactant Production by Bacteria Isolated from Coastal Sand Dune Yogyakarta, Indonesia
14.40-14.50		QnA	
2.5	14.50-15.00	Isty Adhitya Purwasena	Biosurfactant as Anti-Biofilm Agent of Gram Positive and Gram Negative Bacteria and Its Effect on Carbon Steel ST 37 Biocorrosion in Water Cooling System
2.6	15.00-15.10	Silvia Kurnia Sari	Valorization of corn cobs through hydrolysis into renewable substrate for biosurfactant production by <i>Bacillus subtilis</i> 3KP



Organized by

University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

2.7	15.10-15.20	Gading Wilda Aniriani	The Influence of The Use of Moving Biofilm Reactor (MBBR) On Wastewater Quality on Wastewater Treatment Installation (IPAL) Pondok Students of The Islamic University of Lamongan
15.20-15.40		QnA	

Room 3 (Food and Agriculture)

Code of Presenter	Schedule(GMT +7.00)	Presenter	Title
3.1	14.00-14.10	Isnawati	Utilization of Lactic Acid Bacteria from Leftovercontainer of Fermented Milk for Wastewater Treatment of Soybean-Based Small Industries
3.2	14.10-14.20	Choowong Auesukaree	Probiotic potential of thermotolerant <i>Saccharomyces cerevisiae</i> strains isolated from Thai fruits
3.3	14.20-14.30	Muhammad Azri	Optimization of Tempoyak Durian Sidikalang (<i>Durio zibethinus</i>) Fermentation Using Isolated Tempoyak Culture to Improve Sensory Evaluation
3.4	14.30-14.40	Saw Sandar	Isolation and Characterization of Protease Producing Bacteria from Muddy Soil
14.40-14.50		QnA	
3.5	14.50-15.00	Wipa Homhaul	Effectiveness of free living nitrogen fixing bacteria on growth and yield of Phitsanulok 2 rice in greenhouse conditions
3.6	15.00-15.10	Nur Hidayatul Alami	Indole-3-Acetic Acid (IAA) and Antifungal Production by Yeasts Isolated from Rhizospheric Soil
3.7	15.10-15.20	Ana Mariatul Khiftiyah	Exploration of Plant Growth Promoting Bacteria from the Roots of <i>Elephantopus scaber</i> L.
15.20-15.40		QnA	





The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

PARALEL SESSION
Wednesday, 15th September 2021

Room 1 (Bioinformatics)

Code of Presenter	Schedule (GMT +7.00)	Presenter	Title
1.1	14.00-14.10	Herman Umbau Lindang	Insight into the catalytic mechanism of alkaline phosphatase from <i>Paenibacillus</i> sp. PSB04 : In silico analysis
1.2	14.10-14.20	Andrew Jimbo Navarro	SARS-CoV-2 Mutation in Indonesia Based on Data Sequence Submitted at GISAID
1.3	14.20-14.30	Andjani Widya Hemasita	Molecular Docking Study : Propolis as Potential Agent for Neuroprotective
1.4	14.30-14.40	Moch. Mustakim	Investigation Of Bioactive From Pegagan Based On The Network With The Target Protein : The Study Of Discovery Drugs For Alzheimer's Disease Via In Silico Analysis
14.40-14.50		QnA	
1.5	14.50-15.00	Aliyu Maje Bello	Immunoinformatics Driven Design and Evaluation of Tetravalent Vaccine for Broad Protection Against Hand Foot and Mouth Disease (HFMD)
1.6	15.00-15.10	Masrina Vivianna Simanjuntak	Molecular Docking Study : Red Ginger as Potential Agent for Anti-Inflammatory
1.7	15.10-15.20	Azis Mawardi	Evaluation Of Physicochemical and Toxicity of Bioactive from Mango Seed As A Study Of New Drug's Discovery For Acne Via In Silico Analysis
15.20-15.40		QnA	
1.8	15.40-15.50	Faatihah Maurisna Ashfahani	In Silico Investigation of Potential Anti-Liver Inflammatory Agent In Brazilian and Indonesian Propolis : A Comparative Study
1.9	15.50-16.00	Nurul Jadid Mubarakati	Profiling Of Antivirus as Excelent Agent from Active Compounds on Citrus and Mangosteen Peel Using in Silico Study Approach
1.10	16.00-16.10	Siti Kurniawati	Structure prediction model of Pyrazinamide resistance mutations in pncA gene of Mycobacterium tuberculosis
16.10-16.30		QnA	

Room 2 (Organic Chemistry and Natural Product)

Code of Presenter	Schedule (GMT +7.00)	Presenter	Title
2.1	14.00-14.10	Happy Kurnia Permatasari, PhD	Effect of Essential Oils from <i>Syzygium aromaticum</i> , <i>Cymbopogon citrate</i> , and <i>Melaleuca cajuputi</i> on HeLa Human Cervical Cancer Cells Viability



Organized by

University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC) in conjunction with the 3rd Molecular and Cellular Life Science (MCLS)
Virtual Conference, 14th-15th September 2021

2.2	14.10-14.20	Michelle Alexandra Chanandy	The Effect of Extraction Methods on the Yield and Antiplatelet Activity of Compounds in Gentiana Plant Extracts: A Literature Review
2.3	14.20-14.30	Yanti Yanti	Effect of Chili Extracts on Modulating Energy Homeostasis Related Genes in Obese Mice
2.4	14.30-14.40	Umrotul Furghoniyyah	Synthesis and Exploration of Dihydropyrimidintione Derivatives Activity as Human Neutrophil Elastase (HNE) Inhibitor
14.40-14.50		QnA	
2.5	14.50-15.00	Yanti Yanti	Study on Spices Matrix Patches from Andaliman and Chili Extracts for Protection of Gout Arthritis
2.6	15.00-15.10	Dr. Listijani Suhargo, M.Si.	Effects Of { <i>Graptophyllum pictum</i> (L.) Griff} Leaf Ethanol Extract on Normal Vaginal Microflora Growth of Ovariectomized Mice
2.7	15.10-15.20	Indah Tri Lestari	Formulation and Physical Stability Formulation and Physical Stability Test of Ethanol Extract Cream of Banana Peel (<i>Musa paradisiaca</i> var. Sapientum) Test of Ethanol Extract Cream of Banana Peel (<i>Musa paradisiaca</i> var. Sapientum)
15.20-15.40		QnA	
2.8	15.40-15.50	Yanti Yanti	In Vitro Study on Tempeh Oil Microemulsion Containing Omega 3 for Protection of Alzheimer's Disease
2.9	15.50-16.00	Devi Anggraini Putri	Phytochemical and antioxidant activity of <i>Nicotiana tabacum</i> extracts
2.10	16.00-16.10	Aprilia Noni Rahmawati	Synthesis and Study Molecular Docking of 4-Styryldihydro-tetrazolopyrimidine Derivative Compounds as Anticancer Candidates
16.10-16.30		QnA	

Room 3 (Biotechnology and Omics)

Code of Presenter	Schedule (GMT +7.00)	Presenter	Title
3.1	14.00-14.10	Widhi Dyah Sawitri	Site-directed mutagenesis of UDP-glucose binding site residues in sugarcane sucrose phosphate synthase
3.2	14.10-14.20	Sri Anggarini Rasyid	Identification and Characterization of Plasma Protein Types of Covid-19 Patients That Have Been Confirmed Negative PCR For <1 Month with SDS-Page Method
3.3	14.20-14.30	Lailatul Fithri	Isolation and Enzymatic Degradation of Hemicellulose from Corn Cobs Waste
14.20-14.40		QnA	
3.5	14.50-15.00	Enik Nurlaili Afifah	Metabolomic Study on the Host Response of Tomato (<i>Solanum lycopersicum</i> L.) against Bacterial Wilt (<i>Ralstonia solanacearum</i>) Using 1H-NMR Spectroscopy



Organized by
University CoE Research Center for Bio-Molecule Engineering
Universitas Airlangga



The 4th ASEAN Microbial Biotechnology Conference (AMBC)
 in conjunction with the 3rd Molecular and Cellular Life Science
 (MCLS)
 Virtual Conference, 14th-15th September 2021

3.6	15.00-15.10	Kartika Dwi Asni Putri	Partial Purification and Characterization of Pectinase from Local Isolate <i>Anoxybacillus flavithermus</i> TP-01
3.7	15.10-15.20	Dr. K. Gurushankar	Spectroscopic Analysis of Plant Trace Element Incorporated Silver Nanoparticles (Ag NPs) Synthesis from <i>Datura metel</i> L.
15.20-15.40		QnA	



Organized by
 University CoE Research Center for Bio-Molecule Engineering
 Universitas Airlangga